Anchoring for Strip-shaped Traction Elements on Supporting Structures

Patent Claims

1. An anchoring for strip-shaped traction elements on supporting structures that are under tension, especially concrete supporting structures, whereby the traction element is received between a base plate that is attached to the supporting structure and a clamping plate that can be clamped against the base plate, and fixed by means of adhesion and clamping, characterized in that the clamping plate (14, 15) is supported on the base plate (3, 6) in a positive fit in the direction of traction of traction element (1).

2. An anchoring according to Claim 1, characterized in that the clamping plate (14, 15), on either side of the traction element (1) exhibits, in each case, a downwardly protruding securing tappet (20) which engages, in each case, a securing recess (21) of the base plate (3 or 6, respectively).

3. An anchoring according to Claim 1, characterized in that the clamping plate (14, 15) exhibits, on either side, in each case, a securing protrusion (22), which is supported, in each case, against a stop (23) that is connected with the base plate (3, 6).

4. An anchoring according to Claim 1, characterized in that the clamping plate (14, 15), with its front surface (24) on the same side as the traction, is supported against two stops (25) that are connected with the base plate (3, 6).

5. An anchoring according to Claim 3 or 4, characterized in that the stops (23, 25) on the top of the base plate (3, 6) on either side of the clamping plate (14, 15) and/or in the region of the front of the clamping plate (14, 15) are welded-on push blocks.

6. An anchoring according to one of the Claims 1-5, characterized in that the clamping plate (14, 15) may be fixed in its position by means of a positioning device (26), which engages in the direction of traction of the traction element (1) in positive fitting support against the base plate (3, 6).

7. An anchoring according to Claim 6, characterized in that the positioning device (26) is applied in such a manner that it may be removed.

8. An anchoring according to Claim 6, characterized in that the positioning device (26) is a threaded rod (27) that works between the clamping plate (14, 15) and a bridge (28) that is connected with the base plate (3, 6).

9. An anchoring according to Claim 6, characterized in that the positioning device exhibits at least one wedge, which works between the base plate (3, 6) and the clamping plate (14, 15).

10. An anchoring according to Claim 6, characterized in that the positioning device is a removable threaded collet.